

Cytochrome b-c1 complex subunit Rieske Recombinant Protein | UQCRFS1 recombinant protein

Recombinant Human Cytochrome b-c1 complex subunit Rieske, mitochondrial protein

CATALOG # AAA15923	HOST E Coli
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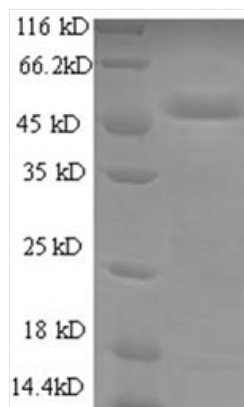
PRODUCT SYNONYMS

Cytochrome b-c1 complex subunit Rieske; Recombinant Human Cytochrome b-c1 complex subunit Rieske; mitochondrial protein; Complex III subunit 5; Cytochrome b-c1 complex subunit 5; Rieske iron-sulfur protein; RISP; Ubiquinol-cytochrome c reductase iron-sulfur subunit; UQCRFS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	79-274aa; Full Length
Sequence	SHTDIKVPDF SEYRRLEVLD STKSSRESSE ARKGFSYLVTV GVTTVGVAYA AKNVAVTQFVS SMSASADVLA LAKIEIKLSD IPEGKNMAFK WRGKPLFVRH RTQKEIEQEA AVELSQLRDP QHDLDRVKKP EWWILIGVCT HLGCVPIANA GDFGGYYCPC HGSHYDASGR IRLGPAPLNL EVPTYEFTSD DMVIVG
Sequence Length	274
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for UQCRFS1 recombinant protein	Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis. The transit peptide of the Rieske protein serves to form part of the bc1 complex and is considered to be the subunit 11/IX of that complex.
Product Categories/Family for UQCRFS1 recombinant protein	Transport

References

The primary structure of human Rieske iron-sulfur protein of mitochondrial cytochrome bc1 complex deduced from cDNA analysis.Nishikimi M., Hosokawa Y., Toda H., Suzuki H., Ozawa T.Biochem. Int. 20:155-160(1990) Structure, sequence and location of the UQCRFS1 gene for the human Rieske Fe-S protein.Pennacchio L., Bergmann A., Fukushima A., Salemi A., Okubo K., Lennon G.Gene 155:207-211(1995) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) The DNA sequence and biology of human chromosome 19.Grimwood J., Gordon L.A., Olsen A.S., Terry A., Schmutz J., Lamerdin J.E., Hellsten U., Goodstein D., Couronne O., Tran-Gyamfi M., Aerts A., Altherr M., Ashworth L., Bajorek E., Black S., Branscomb E., Caenepeel S., Carrano A.V., Caoile C., Chan Y.M., Christensen M., Cleland C.A., Copeland A., Dalin E., Dehal P., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Garcia C., Georgescu A.M., Glavina T., Gomez M., Gonzales E., Groza M., Hammon N., Hawkins T., Haydu L., Ho I., Huang W., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Larionov V., Leem S.-H., Lopez F., Lou Y., Lowry S., Malfatti S., Martinez D., McCready P.M., Medina C., Morgan J., Nelson K., Nolan M., Ovcharenko I., Pitluck S., Pollard M., Popkie A.P., Predki P., Quan G., Ramirez L., Rash S., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., She X., Smith D., Slezak T., Solovyev V., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wagner M., Wheeler J., Wu K., Xie G., Yang J., Dubchak I., Furey T.S., DeJong P., Dickson M., Gordon D., Eichler E.E., Pennacchio L.A., Richardson P., Stubbs L., Rokhsar D.S., Myers R.M., Rubin E.M., Lucas S.M.Nature 428:529-535(2004) Renal cell carcinoma and normal kidney protein expression.Sarto C., Marocchi A., Sanchez J.-C., Giannone B., Frutiger S., Golaz O., Wilkins M.R., Doro G., Cappellano F., Hughes G.J., Hochstrasser D.F., Mocarelli P.Electrophoresis 18:599-604(1997) Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011)

NCBI AND UNIPROT INFORMATION

NCBI GI #	163644321
NCBI GeneID	7386
NCBI Accession #	NP_005994.2
NCBI GenBank Nucleotide #	NM_006003.2
UniProt Accession #	P47985; Q6NVX5; Q9UPH2; A8K519
Molecular Weight	48.6 kDa
NCBI Official Full Name	cytochrome b-c1 complex subunit Rieske, mitochondrial
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
NCBI Official Symbol	UQCRFS1
NCBI Official Synonym Symbols	RIP1; RIS1; RISP; UQCR5
NCBI Protein Information	cytochrome b-c1 complex subunit Rieske, mitochondrial
UniProt Protein Name	Cytochrome b-c1 complex subunit Rieske, mitochondrial
UniProt Gene Name	UQCRFS1

UniProt Synonym Gene Names	RISP
UniProt Entry Name	UCRI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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